



ESTIMATED SOIL MOISTURE DEFICIT (SMD) AT 09 GMT ON 23 JANUARY 1974

River Authority Area	Estimated Areal	Change During the Week Ending 09 GMT on	
	SMD mm	23 Jan 74 mm	16 Jan 74 mm
Northumbrian	7.5	- 1.2	- 3.0
Yorkshire	2.1	- 0.2	- 1.7
Trent	0.8	+ 0.8	- 0.2
Lincolnshire	14.6	+ 0.1	- 6.2
Welland and Nene	14.8	+ 0.3	- 8.1
Great Ouse	17.7	- 0.8	- 9.9
East Suffolk and Norfolk	13.4	- 1.0	- 3.2
Essex	31.9	- 0.9	- 6.7
Lee Conservancy	18.4	- 0.5	- 7.9
Thames Conservancy	5.7	- 1.1	- 7.4
London Area	14.9	- 1.5	- 6.3
Kent	6.5	- 0.8	- 5.0
Sussex	2.6	- 0.8	- 5.4
Hampshire	1.7	- 0.2	- 1.4
Isle of Wight	7.9	- 1.7	- 11.0
Avon and Dorset	0.0	0.0	0.0
Devon	0.0	0.0	0.0
Cornwall	0.0	0.0	0.0
Somerset	0.0	0.0	0.0
Bristol Avon	0.0	0.0	0.0
Severn	1.1	+ 0.3	- 3.1
Wye	0.2	+ 0.2	0.0
Usk	0.0	0.0	0.0
Glamorgan	0.0	0.0	0.0
South West Wales	0.0	0.0	0.0
Gwynedd	0.0	0.0	0.0
Dee and Clwyd	0.0	0.0	0.0
Mersey and Weaver	0.2	+ 0.2	0.0
Lancashire	0.0	0.0	0.0
Cumberland	0.0	0.0	0.0

N.B. Apart from normal changes these differences also reflect retrospective adjustments after receipt of additional data.

FH2

METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL
EVAPOTRANSPIRATION OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 GMT ON 23 JANUARY 1974

On the date of issue of the last bulletin (9 January 1974) rain began to spread from the South-West, covering the whole country by 10 January. This rainy spell continued until 16 January in most areas of England and Wales, and persisted until 18 January in all Scottish districts excluding the extreme East. A mainly dry spell followed, lasting until 21 January when rain began to spread slowly from the West. However, the dry weather continued up to 22 January in the Eastern half of England.

The recent rain far exceeded evaporation which is low at this time of year. Most of the country is now at field capacity with respect to Areal Values. Notable exceptions are East Lothian, South Cambridgeshire and South-East Essex.

It is intended that no further bulletin will be issued until early Spring when significant deficits are expected to reappear.

RATES OF SUBSCRIPTION: £4.00 per season (post free)

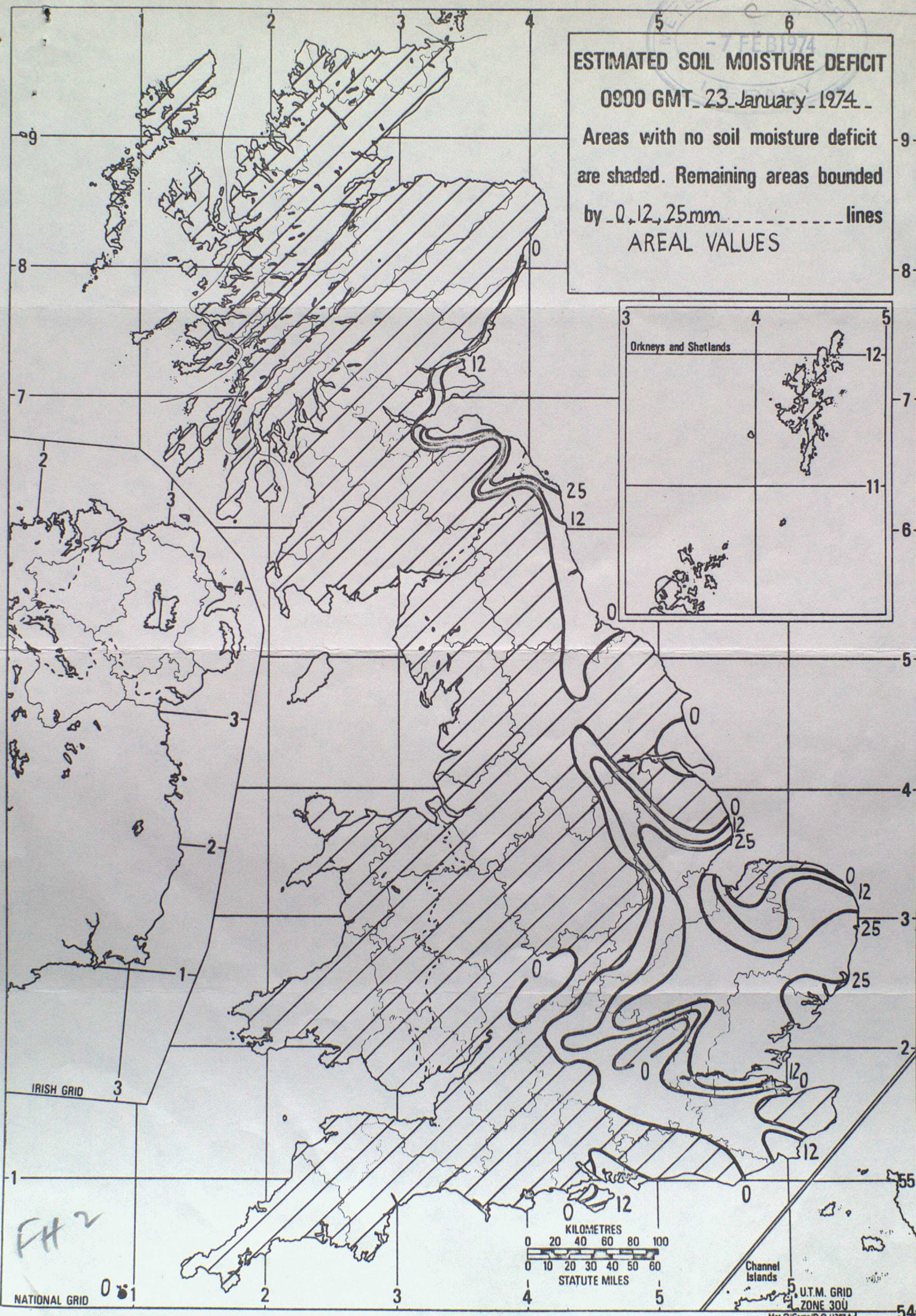
Apply to: Director-General
Meteorological Office, Met O 8
London Road
Bracknell
Berkshire RG12 2SZ

Issued on 24 January 1974

ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 23 January 1974

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25 mm ----- lines
AREAL VALUES



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NATIONAL GRID

Channel Islands

U.T.M. GRID
ZONE 30U

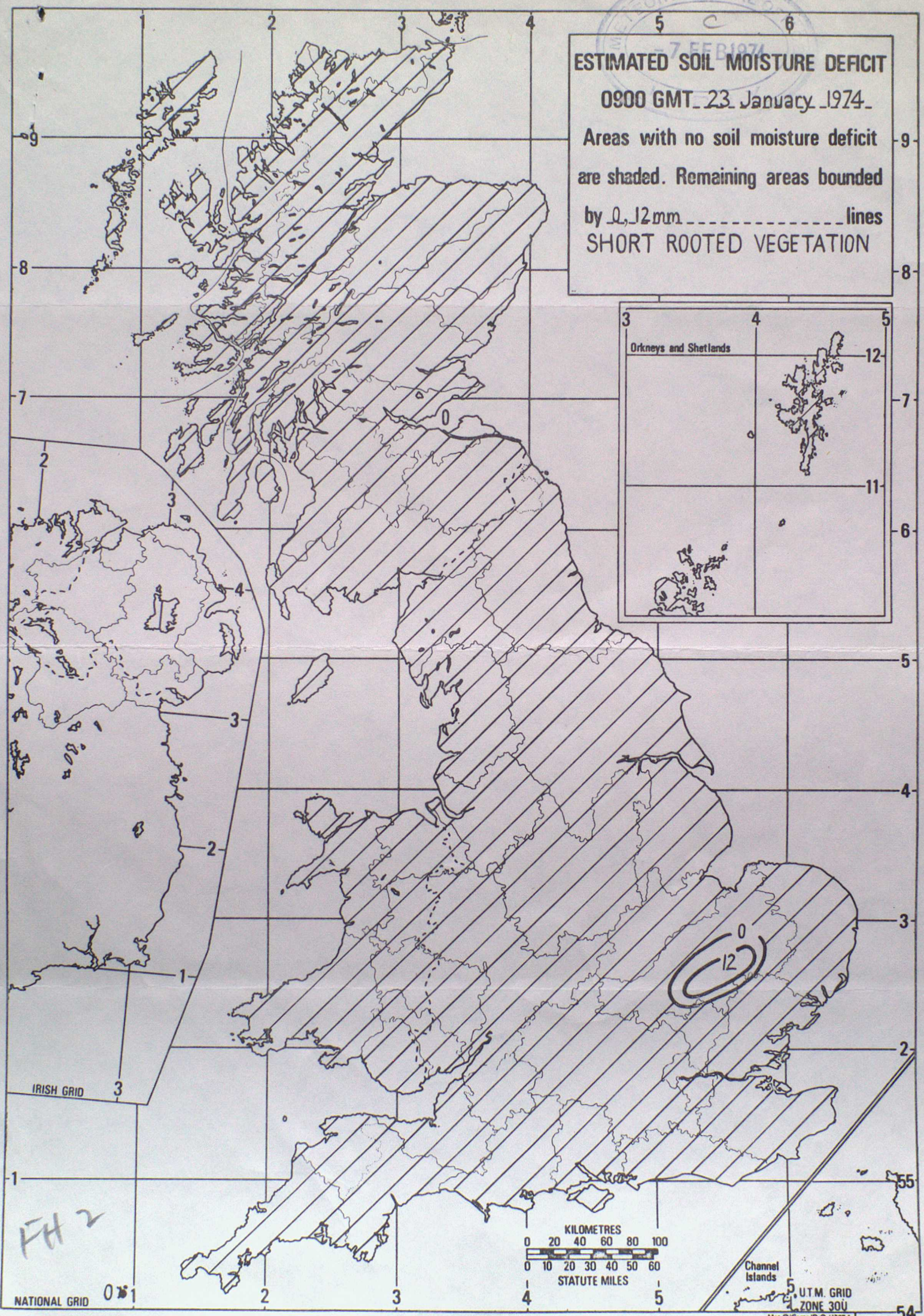
Met. O. Carto. D.O. 11297 A

ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 23 January 1974

Areas with no soil moisture deficit are shaded. Remaining areas bounded

by 0, 12 mm ----- lines
SHORT ROOTED VEGETATION



FH 2

NATIONAL GRID

0 1

KILOMETRES
0 20 40 60 80 100
STATUTE MILES
0 10 20 30 40 50 60

Channel Islands

UTM GRID
ZONE 30U

Met.O/Carro/D.O./1297A